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(54) Liquid injection sealing apparatus

(57) An apparatus for forming a gasket between mating components, at least one of the mating components having a groove (18) formed on a mating face thereof and an inlet port (20) in fluid communication with the groove, the apparatus comprising: a pair of material receiving cylinders (24,26), each cylinder having a orifice (28,30) at one end thereof and an open end (31,32) at the opposite end thereof, each of said cylinders (24,26) being operative to receive a volume of fluid material therein; a pair of positive displacement rams (36,38) disposed at the open end of each of the cylinders, each ram being operative reciprocate within said cylinder and contact the fluid material (25,27) in the cylinder and force the fluid material through the orifice (28,30) when pressurised; a generally cylindrical mixing tube (52) in fluid communication with said material receiving cylinders, the mixing tube having an inlet end and a discharge end and being operative to receive the fluid materials from each cylinder and mix the fluid materials together to form a gasket-forming compound; and a nozzle (56) in fluid communication with the discharge end of the mixing tube (52), the nozzle (56) being configured to engage the inlet port formed in one of the mating components and to discharge the gasket-forming compound from the mixing tube (52) through the inlet port (20) into the groove (18).

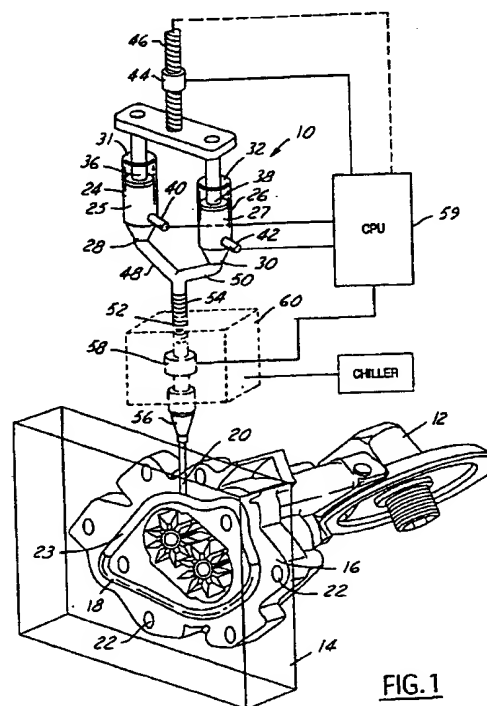


FIG. 1

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The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
THE HAGUE	21 December 1998	Van Nieuwenhuize, O
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p> <p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons</p> <p>&: member of the same patent family, corresponding document</p>		



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